

***Remarks***

Upon entry of the foregoing amendment, claims 1-5 and 9-59 are pending in the application, with claims 1, 21, 32, and 46 being the independent claims. Claims 6-8 were previously cancelled. Claims 1 and 2 are sought to be amended and new claims 56-59 are sought to be added. New claims 56-59 generally correspond to claims 32 and 43-45. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Reconsideration of this Application is respectfully requested.

***Election of the Invention to Be Examined***

Applicant hereby provisionally elects to prosecute the invention of Group I, represented by claims 1-5 and 9-20. This election is made without prejudice to or disclaimer of the other claims or inventions disclosed.

This election is made without traverse.

New claims 56-59 have been added. These claims generally correspond to claims 32 and 43-45 of Group III. Applicant asserts that new claims 56-59 are properly within the scope of Group I, and request that they be examined by the Examiner.

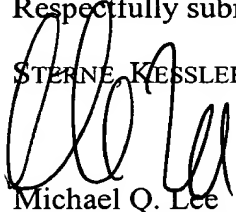
Applicant notes the following errors in the Detailed Action mailed November 30, 2004. With respect to Group I, claims 6-8 were previously canceled in a Preliminary Amendment filed August 30, 2001. Thus, Group I should include claims 1-5 and 9-20. Additionally, the characterization of Group I should state that the *second* universal frequency translation module samples the electromagnetic signal at a rate that is a function of the *quadrature-phase* oscillating signal. Furthermore, claims 47-55 are

shown as pending in the Office Action Summary, but the Examiner did not include these claims in any of the three Groups. Because claims 47-55 depend from claim 46, Applicant assumes these claims are to be included in Group III.

Reconsideration and withdrawal of the Restriction Requirement, and consideration and allowance of all pending claims, are respectfully requested.

Respectfully submitted,

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